

PROCEEDINGS OF THE EIGHTY-FIRST ANNUAL MEETING

JOHN A. SMALLWOOD, SECRETARY

The eighty-first annual meeting of the Wilson Ornithological Society was held Wednesday, 26 April, through Sunday, 30 April, 2000, at the Hotel Galvez, Galveston, Texas, in joint session with the Association of Field Ornithologists. The meeting was sponsored by the Houston Audubon Society and the Gulf Coast Bird Observatory; Dwight Peake chaired the local committee.

The Council met from 13:12 to 19:29 on Wednesday, 26 April, in the West Parlor of the Hotel Galvez. That evening there was an informal reception for the conferees and guests on the Hotel Galvez veranda.

The opening session on Thursday convened in the Music Room at 08:34 with welcoming remarks from Dwight Peake, president of the Gulf Coast Bird Observatory. He, in turn, introduced WOS President John Kricher and AFO President Jerry Jackson, both of whom also welcomed those in attendance and provided the latest conference information. Jed Burtt then introduced the fourth annual Margaret Morse Nice Plenary Lecture, "Behavioral studies of chickadees and other species," presented by Susan M. Smith.

The scientific program included, in addition to the Nice lecture, 65 contributed papers and 16 contributed posters, which were organized into six paper sessions, a poster session, and a symposium on weather radar and its application to ornithology. The committee on the scientific program was chaired by WOS Second Vice-President Charles Blem. The radar symposium was coordinated by Daphne Gemmill and John Black.

The evening program on Thursday included a reception, followed by the AFO and WOS business meetings. Several all-day field trips were scheduled for Friday, including visits to Bolivar Flats, High Island, Anuahac, Galveston Island, the Quintana, San Bernard NWR, GCBO Headquarters, and the Brazoria NWR area. Conferees also enjoyed great local birding on trips scheduled before paper sessions on Thursday and Saturday, including a visit to one of the last two remaining active leks of the Attwater's Prairie Chicken. Half-day and full-day birding trips were scheduled for Sunday, as well.

The attendees enjoyed a sixty-minute social gathering prior to the annual banquet, which was held in the Music Room of the Hotel Galvez. After a fine dinner, President Kricher delivered a few brief remarks to the society. The following awards and commendations also were presented:

MARGARET MORSE NICE MEDAL (for the WOS plenary lecture)

Susan M. Smith, "Behavioral studies of chickadees and other species."

EDWARD'S PRIZE

(for the best major article in volume 111 of *The Wilson Bulletin*)

J. Christopher Haney, "Hierarchical comparisons of breeding birds in old-growth conifer-hardwood forest on the Appalachian Plateau." *Wilson Bull.*, 111(1):89–99.

LOUIS AGASSIZ FUERTES AWARD

David C. Lahti, "Testing behavioral evolution in response to ecological change in the Village Weaverbird."

GEORGE A. HALL/HAROLD F. MAYFIELD AWARD

(formerly the Margaret Morse Nice Award)

Emile Snell-Rood, "Assessing the success of created forest wetlands in southeastern Virginia through ornithological research."

PAUL A. STEWART AWARDS

Danielle E. D'Auria, "The breeding biology and social system of a desert adapted species, the Chihuahuan Raven."

Sarah L. Hamilton, "Ecology and body condition of the Northern Saw-whet Owl and Flammulated Owl during fall migration."

Kendell Daly Jenkins, "The role of diet and molt in determining the spring departure date of the White-throated Sparrow."

Eric L. Kirshner, "Survival and dispersal of juvenile Eastern Meadowlarks."

WILSON ORNITHOLOGICAL SOCIETY TRAVEL AWARDS

K. A. Baum, "The significance of color cues for hummingbird foraging patterns."

C. Field, "The role of subcolonies in a Least Tern colony in Massachusetts."

E. D. Fink, "Habitat use and reproductive success of shrubland songbirds in the Missouri Ozarks."

K. Flaagan, "Nest-site selection of the coastal Cactus Wren *Campylorhynchus brunneicapillus* in Chino Hills State Park, California."

V. Hake, "Radio waves from VHF transmitters and the effect on homing ability in *Columbia livia*."

L. B. Martin, "Woodpecker snag preference in a managed Virginia hardwood forest."

J. R. McCormick, "Delayed reproduction of reintroduced Red-cockaded Woodpeckers."

- R. Nagarajan, "How do oystercatchers (*Haematopus ostralegus*) increase their intake rate?"
- D. W. Podlesak, "Factors affecting the growth and survival of nestling Prothonotary Warblers in Virginia."
- V. Shafer, "A phylogenetic analysis of cooperative breeding in the class Aves."
- K. A. Wohlfort, "Time-activity budgets of non-nesting Common Loons in New Hampshire during the breeding season."

ALEXANDER WILSON PRIZE

(for best student paper)

- A. N. Chadwick, "Within-site selection of artificial cavity trees by Red-cockaded Woodpeckers."
- C. Audra Bassett, "Habitat selection of the Swainson's Warbler."

LYNDS JONES PRIZE

(for best student poster presentation)

- Cheryl Pierce, "Distribution of Bicknell's Thrush (*Catharus bicknelli*) in the Catskill Mountains of New York."

Selection committee for the Nice Medal—Edward H. Burt, Jr. (Chair), Charles R. Blem, William E. Davis, Jr., and John C. Kricher; for the Edwards Prize—Robert Beason (Chair), Sheila Conant, and Sara Morris; for the Fuertes, Hall/Mayfield, and Stewart Awards—Richard B. Stiehl (Chair) and Clait E. Braun; for the WOS Travel Awards, Alexander Wilson Prize, and Lynds Jones Prize—Charles R. Blem (Chair), Leann Blem, Lynn B. Martin, and David Podlesak.

COMMENDATION

WHEREAS the Wilson Ornithological Society and the Association of Field Ornithologists held a joint meeting in Galveston, Texas, at the invitation of the Houston Audubon Society and the Gulf Coast Bird Observatory; and

RECOGNIZING that the Committee on the Scientific Program, under the capable direction of Charlie Blem, provided an outstanding program of oral and poster presentations, including a symposium on the application of radar technology to the study of avian migration; and

RECOGNIZING that the Committee on Local Arrangements, through the efforts of Dwight Peake and other members of the Houston Audubon Society, especially the Galveston County Group of the HAS, provided a conference venue with comfortable accommodations and extraordinary bird watching experiences, in which attendees saw well over 100 species of birds in a single day, and life lists grew inordinately;

THEREFORE BE IT RESOLVED that the Wilson Ornithological Society commend the Committee on the Scientific Program, the Committee on Local Arrangements, and our Texan hosts for a delightful and informative meeting in Galveston.

COMMENDATION

WHEREAS Robert Beason has served the Wilson Ornithological Society as editor of its principal organ, *The Wilson Bulletin*, for the past three years; and

WHEREAS Bob Beason's unflagging efforts have resulted in increases in the efficiency by which the journal is published, the shortening of time from receipt of manuscript to date of decision, and an overall increase in the selectivity of papers accepted for publication; and

WHEREAS *The Wilson Bulletin* continues to be of the highest editorial and scientific quality, exemplary of a leading ornithological journal;

THEREFORE BE IT RESOLVED that the Wilson Ornithological Society extends its sincerest appreciation and thanks to Bob Beason for his efforts on behalf of the society and for a job well done.

Both commendations were enthusiastically passed by acclamation.

Following the award presentations and commendations, the guest speaker, Sidney A. Gauthreaux, Jr., gave a marvelous keynote address on radar studies of bird migration, which was well received.

WOS BUSINESS MEETING

In deviation of tradition, the Wilson Ornithological Society conducted its annual business in one business meeting, rather than two. The single business meeting was called to order by President Kricher at 20:31 on Friday, 27 April, in Music Hall. Secretary Smallwood presented a synopsis of Wednesday's council meeting, noting that as of 21 March 2000, the society's membership stood at 2219 individuals, including 261 students, and that 717 libraries and institutions subscribed to *The Wilson Bulletin*. Secretary Smallwood and Council Member Sara Morris elaborated on two issues regarding the society's role in the new era of information technology. First, the WOS has pledged financial support in response to a proposal from Peter Stettenheim to create a searchable database containing all the citations in *Recent ornithological literature* and *Recent ornithological literature online* since 1983. Second, Council supported, in concept, participation with BioOne, a non-profit corporation formed to publish electronic versions of biological journals. The WOS Publications Committee is studying the proposal.

Next year's meeting will be at the Fayetteville Hilton and University of Arkansas Center for Continuing Education from 3–6 May, 2001, at the invitation of Local Chair Doug James. The 2002 annual meeting will be held in Ft. Meyers, dates to be announced, hosted by the Florida Gulf Coast University Louis, with Jerry Jackson chairing the local committee. Council gratefully accepted the invitations from Local Chair Jed Burt to host the 2003 annual meeting at Ohio Wesleyan University in Delaware, Ohio, during March, and from Scott Sutcliffe to host the 2004 meeting at Cornell University during late September or early October.

The secretary then asked those assembled to stand in recognition of the following members who had died since we last met: Donald C. Alexander (Winthrop, ME), Robert E. Ball (North Canton, OH), Richard R. Graber (Golconda, IL), Wilma S. Klick (Mitchellville, MD), Robert R. Knickmeyer (Hazelwood, MO), H. Elliot McClure (Camarillo, CA), Henri Ouellet (Hull, PQ), David F. Parmelee (Las Vegas, NV), Mary J. Robertson and William B. Robertson, Jr. (Homestead, FL), Arnold Small (Beverly Hills, CA), Phoebe B. Snetsinger (Webster Groves, MO), A. M. Sorrill (Quincy, IL), Ann T. Tarbell (Bolingbrook, IL), and Morgan C. Webb (Sioux City, IA).

The treasurer's report was then presented by Doris Watt. A motion by Sandy Gaunt, seconded by Susan Smith, to accept the treasurer's proposed budget for 2000/2001 passed unanimously.

President Kricher presented the editor's report for

Bob Beason, who was not able to attend, and informed those present that Council had elected John Smallwood to succeed the retiring Editor Beason.

Jerry Jackson, Chair, presented the report of the nominating committee, which also included Mary Clench and Danny Ingold: President, John C. Kricher; First Vice-President, William E. Davis, Jr.; Second Vice-President, Charles R. Blem; Secretary, Sara R. Morris; Treasurer, Doris J. Watt; Members of Council for 2000-2003, Susan M. Smith and W. Herbert Wilson. Having asked for additional nominations from the floor and hearing none, Past President George Hall's suggestion to "turn the rascals out" notwithstanding, President Kricher closed the nominations as a result of a motion by Mary Clench, seconded by Toby Gaunt. Further, Mary Clench moved and Toby Gaunt seconded that the secretary cast a single unanimous vote for the slate of nominees, and by acclamation, it became so. Adjournment occurred at 20:48.

REPORT OF THE TREASURER

I JULY 1999 THROUGH I APRIL 2000

GENERAL FUNDS

<i>Balance Forward</i>		\$	84,508.94
<i>Receipts</i>			
Regular and Sustaining Memberships	\$30,860.00		
Student Memberships	\$ 3,997.00		
Family Memberships	\$ 120.00		
Total Dues		\$	34,977.00
Subscriptions	\$25,165.00		
Newsletter	\$ 208.00		
Back Issues	\$ 337.25		
Page Charges	\$ 8,950.00		
Total Income from Publications		\$	34,660.25
Contributions: Research Fund	\$ 395.00		
Van Tyne Library	\$ 336.00		
General Endowment	\$ 113.00		
Life, Patrons (Gen Endowment)	\$ 875.00		
Unrestricted	\$ 641.00		
Total Contributions		\$	2,360.00
Royalties	\$ 382.79		
Interest from Checking Account	\$ 464.95		
Interest from Endowments	\$31,531.89		
Dividends from Dreyfus Acct (reinvested)	\$ 840.22		
Subtotal		\$	33,219.85
Miscellaneous		\$	10.56
Net OSNA Adjustment		-\$	2,146.35
TOTAL RECEIPTS		\$	103,081.31
<i>Disbursements</i>			
Bulletin Publication			
June 1999	\$16,369.79		
September 1999	\$17,848.52		
December 1999	\$18,934.68		
March 2000	\$16,094.00		
Editor's expenses	\$ 6,187.32		
Total Publication Costs		\$	75,434.31
Flock	\$		
OSNA Expenses (98)	\$ 5,856.80		
OSNA Expenses (99)	\$		
Officer's expenses	\$ 250.48		

CPA (tax filing)	\$ 475.00	
Incorporation fee	\$ 5.00	
Editor's honorarium	\$ 2,000.00	
Editor's travel	\$ 500.00	
Library	\$ 1,000.00	
99 Meeting costs	\$ 1,677.70	
2000 Meeting costs so far	\$ 329.00	
Miscellaneous	\$ 950.22	
Total Operating Expenses		\$ 13,044.20
Organizational Awards	\$	
Ornithological Council Contribution	\$ 2,000.00	
ABC Dues	\$	
Total Philanthropies		\$ 2,000.00
TOTAL DISBURSEMENTS		\$ 90,478.51
Ending Balance		\$ 97,111.74

CASH ACCOUNTS

First Source Bank Checking 1 April 2000	\$73,609.36	
Dryfus Liquid Assets 1 April 1999	\$23,502.38	
Total Cash on Hand		\$ 97,111.74
Van Tyne Library Accounts		
Starting Balance	\$ 8,274.29	{ \$7,296 }
Receipts	\$ 4,365.70	
Expenses	\$ 3,070.66	
Ending Balance		\$ 9,569.33

SUTTON DESIGNATED ACCOUNT

Endowment Principal as of 1 July 99	\$68,961.78	
Iner in Principle Value 99-2000*	\$70,961.67	
1999 Earnings*	\$ 2,057.87	
Funds disbursed for Color Plates (4)	\$ 3,410.00	
Balance	-\$	1,352.13

TOTAL ENDOWMENT FUNDS

1997 Market Value	\$ 814,315.00
1998 Market Value	\$ 968,838.00
1999 Market Value	\$1,096,733.81
2000 Market Value (Mar 31)	\$1,097,350.63

*Based on 2.9% yield on Mellon Account

Doris J. Watt, *Treasurer*

EDITOR'S REPORT—1999

During 1999, the editorial office of *The Wilson Bulletin* received 225 manuscripts, 20 fewer than the previous year. The acceptance rate was 33%, compared to 40% for past years. The review process took an average of 3 months and most manuscripts were returned to the authors with reviewers' comments 2-4 months after receipt. Using e-mail for much of the correspondence with authors and reviewers has resulted in monetary savings from postage and faster turn around for manuscripts; in some cases the author received a decision within a month of submission.

The size of *The Wilson Bulletin* has remained at approximately 600 pages per volume. Three issues in 1999 contained color frontispieces and two of the three issues that are out or in the works for 2000 contain color frontispieces.

I greatly appreciate the assistance of the editorial board (Clait Braun, Richard Conner, and Kathy Beal)

for their timely advise on many manuscripts, especially Kathy G. Beal for help with manuscripts having difficult statistical problems and for doing the index. Editorial assistants Tara Baideme, Melanie Daniels, John Lamar, Dante Thomas, and Doris Watt assisted in tracking and checking the many manuscripts. The State University of New York at Geneseo and the Biology Department continue to support the editor and the running of the editorial office in many ways.

Robert C. Beason, *Editor*

The reports of the standing committees are as follows:

REPORT OF THE MEMBERSHIP COMMITTEE

Current members of the WOS membership committee are Laurie Goodrich, Chair, Hawk Mountain (PA), Jim Ingold of Louisiana State University (LA), John

Smallwood of Montclair State University (NJ), Amanda Rodewald of Pennsylvania State University (PA), and Danny Ingold of Muskingum College (OH). Chrissy Howell resigned from the committee due to school commitments.

The membership poster was displayed during the last year at the American Ornithological Union meeting in Ithaca, New York, the Pennsylvania Wildlife Society meeting in Williamsport (PA), March 1999, and the Wilson Society meeting in Maine during May 1999. Brochures were also displayed at a few meetings, including the Raptor Research Foundation meeting in La Paz, Mexico.

During 1999, the chair responded to 20 or more inquiries from people regarding membership issues. Most people seem to be accessing the WOS website to locate membership information. All inquiries were forwarded to Allen Press and the OSNA Director, Anthony Bledsoe, and were handled promptly. OSNA monthly membership updates have been received by the membership chair in recent months. We continue to work with the OSNA Director and Allen Press to improve the exchange of membership information.

Membership Committee Member Jim Ingold sent 11 membership invitation letters to non-members who gave papers at the May 1999 Wilson meeting. He plans to send some letters to the 1998 joint meeting participants as well. Danny Ingold has been working on sending letters to people that did not renew their memberships in 1999. A total of 88 letters were sent with approximately 10% responding. Some positive feedback has been received to this membership inquiry letter.

The membership brochure was revised by John Smallwood with input from Robert Beason, Doris Watt, and others. It will be reprinted shortly. Additional green brochures were located, so printing was delayed in order to use up the old brochures. WOS members are encouraged to display and hand out brochures at meetings, schools, and functions they attend. Contact the membership chair for extra brochures.

A new, modernized WOS membership display is in production. A larger folding tabletop display was purchased during the summer (blue and grey background color) and graphic material was provided by several WOS council members. We hope to have the display finalized for the Texas meeting. This display is larger and will have an optional lighted header. Because it will be larger, we plan to ship the display to and from the meeting sites by UPS in most cases. This will make it easier for people to host the display since it will not have to be carried through an airport. WOS council members are encouraged to adopt the display for a meeting during the coming year. With advance notice, the membership chair will ship the unit to the meeting site. Smaller free-standing, brochure holders may also be produced for portable display opportunities. The committee would like to request that any council member attending a meeting consider helping out with the display. To volunteer, contact Laurie Goodrich by e-mail at goodrich@hawkmountain.org. If unable to put

up a display, please take a stack of brochures for distribution tables.

Laurie J. Goodrich, *Chair*

REPORT OF THE UNDERGRADUATE OUTREACH COMMITTEE

At the 1999 meeting in Waterville, Maine, the committee hosted a workshop on bird skin preparation, led by Janet Hinshaw. We continue to maintain the *Guide to Graduate Studies in Ornithology in North America* on the WOS home pages to provide information for undergraduates and post-graduates interested in pursuing a graduate degree in ornithology. Jed Burr continues his preparation for the dissemination of laboratory exercises presented by a number of participants at our workshop at the Cape May meeting in 1996. We are considering offering a workshop at a future meeting on recording and analyzing bird vocalizations.

W. Herbert Wilson, Jr., *Chair*

REPORT OF THE JOSSELYN VAN TYNE MEMORIAL LIBRARY COMMITTEE

The following happened over the past calendar year with respect to the library loans:

- Loans of library materials to members included 81 transactions to 41 people or institutions. These loans included 48 books, and 244 journals and photocopied articles.

Acquisition of volumes:

- A total of 143 publications were received by exchange from 115 organizations or individuals. 29 journals were gifts from 24 organizations and 30 more were obtained via 25 subscriptions.
- 1356 items were donated by members, friends, and libraries. These donations included 37 books, 481 journal issues, 708 reprints, and 129 reports and miscellaneous items.
- 12 members, friends and libraries donating materials included James Armacost, Clait Braun, J. Buki (for the Hungarian Ornithological Society), Julie Craves, Steve Goodman, Janet Hinshaw, Lloyd Kiff (for The Peregrine Fund), Martin McNicholl, Sara Morris, William Scharf, Jeffrey Spendelow, and Dawn Wilkins.
- New items purchased for \$2062.59 included 28 books.

Dispersal of volumes:

- 555 journal issues were given as gifts to five libraries (Walter Thiede, The Peregrine Fund, Point Reyes Bird Observatory, Hungarian Institute of Ornithology, and Whitefish Point Bird Observatory).
- In 1999 we sold 139 books and 18 journal issues for \$3608.58 (this includes postage).
- As part of our effort to decrease our stock of back issues of *The Wilson Bulletin*, we sent out 2208 old issues for free (for the cost of postage) to about 55 individuals and libraries.

Accessibility on the Web:

- The website <http://www.umnz.lsa.umich.edu/birds/>

wos.html continues to be enhanced. Journals currently received are listed on the site as well as how to access the University of Michigan's on-line catalogue, which can be used to check holdings.

- A list of 460 books for sale are on line currently with several hundred to be added soon. We have an on-line ordering ability. Please visit the website soon and check it out!!

Janet Hinshaw hired five people (mostly students) to help her in the library. Their tasks included processing gifts, and boxing and sending out *Wilson Bulletin* back issues and duplicate books. Their wages amounted to about \$1270.

We still need to reduce our stock of back issues of *The Wilson Bulletin*. We would like to have help from the Council in identifying libraries, people, and institutions that could benefit from getting back issues.

In closing, I want to offer my thanks to those people who make the JVTML work so efficiently, including Joann Constantinides, the secretary for the Bird Division in the Museum of Zoology, who handles many of the library requests, and of course THE most important person connected with the library, Janet Hinshaw, who literally "runs the show" by making sure the library is kept up-to-date, and as useful to members and friends as possible. Janet makes my job quite easy.

Terry L. Root, *Chair*

The Committee on the Scientific Program, consisting of Charles Blem, Chair, Leann Blem, Lynn B. Martin, and David Podlesak, presented the following program, assisted by session moderators Edward H. Burt, Jr., Richard N. Conner, Lynn Martin, David Podlesak, and Robert C. Whitmore, and symposium organizers John Black and Daphne Gemmill.

PAPER SESSIONS

- F. Amidon, C. Haas, and J. Morton, Virginia Polytechnic Inst. and State Univ., Blacksburg, VA, "Rota Bridled White-eye foraging habitat selection."
- B. W. Baker, T. R. Stanley, J. A. Sedgwick, Midcontinent Ecological Science Center, USGS, Fort Collins, CO, and G. E. Plumb, Yellowstone Center for Resources, Yellowstone National Park, WY, "Is nest predation higher on prairie dog colonies?"
- J. C. Barlow and S. Leckie, Royal Ontario Museum, Toronto, ON, "Do Gray Vireos, breeding in south-eastern Colorado, winter in Texas?"
- W. C. Barrow, Jr., National Wetlands Research Center, USGS, Lafayette, LA, and I. Renne, Clemson Univ., Clemson, SC, "Interactions between migrant landbirds and an invasive exotic plant, the Chinese Tallow Tree."
- C. A. Bassett, Southeastern Louisiana Univ., Hammond, LA, "Habitat selection of the Swainson's Warbler."
- K. A. Baum, Texas A&M Univ., College Station, TX, "The significance of color cues for hummingbird foraging patterns."
- J. Black, Brock Univ., St. Catharines, ON, Canada, "Application of weather radar to monitoring numbers of birds in migration."
- C. R. Blem, L. B. Blem, and C. Hyman, Virginia Commonwealth Univ., Richmond, VA, "Demographics of female Prothonotary Warblers in eastern Virginia: effects of changing climate?"
- D. W. Brauning and D. Diefenbach, Pennsylvania Game Commission, Harrisonburg, PA, and Pennsylvania Cooperative Fish and Wildlife Research Unit, Pennsylvania State Univ., University Park, PA, "Analysis of distance sampling methodology for grassland bird population studies."
- R. P. Brooks, Pennsylvania State Cooperative Wetlands Center, Pennsylvania State Univ., University Park, PA, R. S. Mulvihill, Powdermill Nature Reserve, Carnegie Museum of Natural History, Rector, PA, T. Master, East Stroudsburg Univ., East Stroudsburg, PA, and T. J. O'Connell, Pennsylvania State Cooperative Wetlands Center, Pennsylvania State Univ., University Park, PA, "Breeding biology of Louisiana Waterthrush (*Seiurus motacilla*) in Pennsylvania."
- R. A. Canterbury, Concord College, Athens, WV, "Testing evolutionary and ecological hypotheses in a transient hybridization zone using path analysis and structural equation modeling."
- R. A. Canterbury, Concord College, Athens, WV, and B. M. Walton, Cleveland State Univ., Cleveland, OH, "Effects of temperature and body mass on metabolism in feral pigeons, *Columba livia*."
- A. N. Chadwick, J. R. Walters, and C. A. Haas, Virginia Polytechnic Inst. and State Univ., Blacksburg, VA, "Within-site selection of artificial cavity trees by Red-cockaded Woodpeckers."
- D. Cimprich, Univ. of Southern Mississippi, Hattiesburg, MS, "A function of vocalization during autumn migratory stopover."
- C. S. Collins, R. N. Conner, and D. Saenz, Southern Research Station, USFS, Nacogdoches, TX, "The influence of hardwood midstory and pine species on pine bole arthropods: potential implications on Red-cockaded Woodpecker foraging."
- R. N. Conner, Southern Research Station, USFS, Nacogdoches, TX, J. R. McCormick, Stephen F. Austin State Univ., Nacogdoches, TX, R. R. Schaefer, and D. Saenz, Southern Research Station, USFS, Nacogdoches, TX, "A Red-cockaded Woodpecker group with two simultaneous nest trees."
- S. T. Feirer and D. M. Leslie, Jr., Oklahoma Cooperative Fish and Wildlife Research Unit, Oklahoma State Univ., Stillwater, OK, "Geographical information system in the study of the avian community on Ralstin Island, Oklahoma."
- C. Field, Smith College, Northampton, MA, and J. L. Atwood, Antioch New England Graduate School, Keene, NH, "The role of subcolonies in a Least Tern colony in Massachusetts."
- E. D. Fink, A. A. Woodward, Univ. of Missouri, Columbia, MO, and F. R. Thompson, III, North Central Research Station, USFS, Columbia, MO,

"Habitat use and reproductive success of shrubland songbirds in the Missouri Ozarks."

- K. Flaagan, California State Univ., Fullerton, CA, "Nest-site selection of the coastal Cactus Wren *Campylorhynchus brunneicapillus* in Chino Hills State Park, California."
- J. L. Ganey, W. M. Block, B. E. Strohmeier, and J. P. Ward, Jr., Rocky Mountain Research Station, USFS, Flagstaff, AZ, "Home range, habitat use, and vital rates of Mexican Spotted Owls in two different landscapes."
- S. L. L. Gaunt, Ohio State Univ., Columbus, OH, and L. F. Baptista, California Academy of Sciences, San Francisco, CA, "Song divergence in two populations of Green-violet Ear Hummingbirds."
- C. Gellin and S. R. Morris, Canisius College, Buffalo, NY, "Directional patterns of stopover during spring and fall migration on Appledore Island, Maine."
- V. Hake, Univ. of Texas at Arlington, Arlington, TX, "Radio waves from VHF transmitters and the effect on homing ability in *Columbia livia*."
- C. R. Hathcock, Univ. of Texas-Pan American, Edinburg, TX, "Impact on host reproduction of the brood-parasitic Bronzed Cowbird (*Molothrus aeneus*) in the lower Rio Grande Valley, Texas."
- L. A. Hennings, Oregon State Univ., Corvallis, OR, J. Budhabhatti, Metropolitan Regional Government, Portland, OR, and W. D. Edge, Oregon State Univ., Corvallis, OR, "Do avian communities support Portland Metro's model for ranking habitats for conservation?"
- A. Herb, Jr., and D. B. Burt, Stephen F. Austin State Univ., Nacogdoches, TX, "Habitat requirements and cooperative breeding in the Brown-headed Nuthatch."
- D. J. Ingold, Muskingum College, New Concord, OH, "The use of a reclaimed strip-mine by grassland nesting birds in east-central Ohio."
- A. B. Johnson and E. H. Burtt, Jr., Ohio Wesleyan Univ., Delaware, OH, "Double-scratching behavior of Song and American Tree Sparrows foraging on different substrates."
- K. Jungbluth, NWS Forecast Office, Des Moines, IA, "Classic examples of nocturnal migration liftoff using the Des Moines WSR-88D."
- S. Kelling, Cornell Laboratory of Ornithology, Ithaca, NY, "National Audubon Society and Cornell Laboratory for Ornithology's Birdcast Pilot Project to use NEXRAD data, with nocturnal vocalization monitoring, and ground truthing: application for bird conservation."
- T. A. Kelly, USAF, Valdosta, GA, "The Avian Hazard Advisory System (AHAS): operational use of weather radar for reducing bird strike risk in North America."
- M. Khan and J. Walters, Virginia Polytechnic Inst. and State Univ., Blacksburg, VA, "Effects of helpers on breeder survival in the Red-cockaded Woodpecker."
- J. C. Kilgo, Southern Research Station, USFS, New Ellenton, SC, "Effect of group selection timber harvest in bottomland hardwoods on prey availability and foraging efficiency of Hooded Warblers."
- R. Larkin, Illinois Natural History Survey, Urbana, IL, "Evolution of weather radar use for ornithology."
- R. P. Larkin and R. Diehl, Illinois Natural History Survey, Urbana, IL, "Ground truthing the location and bird species composition."
- S. Lohr, S. Gauthreaux, Clemson Univ., Clemson, SC, and J. Kilgo, Southern Research Station, USFS, New Ellenton, SC, "The impact of standing and downed coarse woody debris removal on breeding and nonbreeding birds in loblolly pine (*Pinus taeda*) forests."
- L. B. Martin, Univ. of Illinois, Urbana, IL, "Woodpecker snag preference in a managed Virginia hardwood forest."
- J. R. McCormick, Stephen F. Austin State Univ., Nacogdoches, TX., R. N. Conner, and D. Saenz, Southern Research Station, USFS, Nacogdoches, TX, "Delayed reproduction of reintroduced Red-cockaded Woodpeckers."
- R. W. McFarlane, McFarlane & Associates, Houston, TX, "Population trends of gulls, terns and skimmers in Texas."
- J. G. Morgan, Houston, TX, "A 21-year compilation of weather related groundings of Neotropical migrant songbirds on the upper Texas Coast."
- E. S. Morton, Smithsonian Inst., Front Royal, VA, "Mating system, territorial system, bird song, and latitude."
- H. Mueller, D. Berger, N. Mueller, G. Allez, W. Robichaud, and J. Kaspar, Cedar Grove Ornithological Station, Cedar Grove, WI, "The cyclic invasions of Northern Goshawks at Cedar Grove, WI (1951-1999)."
- R. Nagarajan, J. D. Goss-Custard, Inst. of Terrestrial Ecology, Furzebrook Research Station, Wareham Dorset, UK, and S. E. G. Lea, School of Psychology, Washington Singer Labs, Univ. of Exeter, Exeter, UK, "How do oystercatchers (*Haematopus ostralegus*) increase their intake rate?"
- T. O'Bannon, NWS Operational Support Facility, Norman, OK, "The latest in weather radar technology and the availability of the data and application for ornithologists."
- T. O'Bannon, NWS Operational Support Facility, Norman, OK, and R. Larkin, Illinois Natural History Survey, Urbana, IL, "Problems in interpreting base reflectivity: weather, birds, insects, anomalous propagation (panel discussion)."
- T. O'Connell and R. Brooks, Pennsylvania State Cooperative Wetlands Center, Pennsylvania State Univ., University Park, PA, "Thresholds of forest extent for breeding birds in the mid-Atlantic highlands."
- F. S. Peace, Houston, TX, "Watching Broad-winged Hawks on your home computer."
- D. W. Podlesak and C. R. Blem, Virginia Commonwealth Univ., Richmond, VA, "Factors affecting

- the growth and survival of nestling Prothonotary Warblers in Virginia.”
- J. D. Rising, Univ. of Toronto, Toronto, ON, Canada, “Geographical variation and systematics of salt-marsh Savannah Sparrows.”
- D. C. Rudolph and R. N. Conner, Southern Research Station, USFS, Nacogdoches, TX, “Red-cockaded Woodpecker populations: what difference does a decade make?”
- D. Saenz, Southern Research Station, USFS, Nacogdoches, TX., K. A. Baum, Texas A&M Univ., College Station, TX, R. N. Conner, and D. C. Rudolph, Southern Research Station, USFS, Nacogdoches, TX, “Reintroduction strategies for Red-cockaded Woodpeckers.”
- M. E. Schmidt and G. H. Farley, Fort Hays State Univ., Hays, KS, “Hypothesized mortality patterns at a recent tower kill in western Kansas.”
- M. Schmitz and D. Westmoreland, U.S. Air Force Academy, Colorado Springs, CO, “Effects of egg coloration on heat acquisition from sunlight.”
- J. A. Sedgwick, Midcontinent Ecological Science Center, USGS, Fort Collins, CO, “Geographic variation in the song of the Willow Flycatcher.”
- J. M. Semprebon, Antioch New England Graduate School, Keene, NH, and W. H. Barnard, Norwich Univ., Northfield, VT, “Vocal characteristics of Gray Jays in Vermont.”
- V. Shafer and B. Burt, Stephen F. Austin State Univ., Nacogdoches, TX, “A phylogenetic analysis of cooperative breeding in the class Aves.”
- R. Stefani, Sierra Nevada Framework Project, USFS, Sacramento, CA, “Spatially-explicit risk assessment of the Willow Flycatcher population in the Sierra Nevada Mountains.”
- K. L. Tettemer, P. A. McDowell, and E. H. Burt, Jr., Ohio Wesleyan Univ., Delaware, OH, “Do microbes in abandoned nests deter subsequent use of the nest?”
- R. Thill, R. Perry, N. Koerth, Southern Research Station, USFS, Nacogdoches, TX, P. Tappe, and D. Peitz, Univ. of Arkansas, Monticello, AR, “Initial bird responses to alternative pine regeneration methods in Arkansas and Oklahoma.”
- D. Westmoreland, U.S. Air Force Academy, Colorado Springs, CO, “Is egg pigmentation an adaptation for camouflage?”
- R. C. Whitmore, West Virginia Univ., Morgantown WV, and M. M. Whitmore, Morgantown, WV, “Songs of the Mangrove Warbler (*Dendroica petechia castaneiceps*) from Baja California Sur, Mexico: thoughts on divergence in isolated populations.”
- J. B. Whittier and D. M. Leslie, Jr., Oklahoma Cooperative Fish and Wildlife Research Unit, Oklahoma State Univ., Stillwater, OK, “Anthropogenic impacts on Interior Least Tern at a critical breeding site in Oklahoma.”
- K. A. Wohlfort and J. L. Atwood, Antioch New England Graduate School, Keene, NH, “Time-activity budgets of non-nesting Common Loons in New Hampshire during the breeding season.”
- D. M. Woods and C. Caffrey, Oklahoma State Univ., Stillwater, OK, “California Least Tern chick feeding rates and their relationship to fledging success.”

POSTERS

- J. L. Atwood, C. A. Reynolds, M. R. Fugagli, and A. Pairis, Antioch New England Graduate School, Keene, NH, “California Gnatcatcher distribution and its relation to fire history.”
- R. C. Banks, USGS, PWRC, USNM, Washington, DC, “The Cuban Martin in Florida.”
- L. Bhatti, J. Shull, Canisius College, Buffalo, NY, A. R. Clark, Buffalo Museum of Science, Buffalo, NY, and S. R. Morris, Canisius College, Buffalo, NY, “Analysis of television tower mortality of migrant bird species in western New York.”
- T. A. Carrillo, K. Withers, and J. W. Tunnell, Texas A&M Univ. at Corpus Christi, Corpus Christi, TX, “Shorebird utilization of microhabitats in a south Texas coastal wetland mosaic.”
- C. Y. Chen and G. H. Farley, Fort Hays State Univ., Hays, KS, “Influences of weather on three decades of mist-net captures.”
- E. D. Fink, A. A. Woodward, Univ. of Missouri, Columbia, MO, D. E. Burhans, North Central Research Station, USFS, Columbia, MO, J. Demand, Missouri Dept. of Conservation, Columbia, MO, and F. R. Thompson, III, North Central Research Station, USFS, Columbia, MO, “An evaluation of observer variability in four measures of nest concealment.”
- C. M. Francis, Bird Studies Canada, Port Rowan, ON, Canada, and D. J. T. Hussell, Ministry of Natural Resources, Peterborough, ON, Canada, “The Canadian migration monitoring network: tracking bird population trends in Canada.”
- J. Long and D. Brown, Southeastern Louisiana Univ., Hammond, LA, “The effect of experimental fruit removal on territory structure of winter Hermit Thrushes.”
- S. M. Murphy and T. J. Mabee, ABR Inc., Forest Grove, OR, “Status of Black Oystercatchers in Prince William Sound 10 years after the Exxon Valdez oil spill.”
- S. Newland and G. H. Farley, Fort Hays State Univ., Hays, KS, “Descriptions of Gray Catbird and Dickcissel nestling development.”
- C. Pierce, Antioch New England Graduate School, Keene, NH, “Distribution of Bicknell’s Thrush (*Catharus bicknelli*) in the Catskill Mountains of New York.”
- D. A. Rintoul, Kansas State Univ., Manhattan, KS, “Fatty acid composition of different adipose depots of Lapland Longspurs and Sandhill Cranes.”
- M. Stake, The Nature Conservancy of Texas, and J. D. Cornelius, Natural Resources Branch, Fort Hood, TX, “Video monitoring of Black-capped Vireo nest predation at Fort Hood, Texas.”

- R. Tankersley, Jr., Tennessee Valley Authority, Norris, TN, and A. Kelly, Geo-Marine, Inc., Panama City, FL, "Identifying migratory flyways and stopover habitats: a regional assessment of migrant landbird habitats."
- M. E. Tolle, J. T. Baccus, Southwest Texas State Univ., San Marcos, TX, and J. D. Cornelius, Natural Resources Branch, Fort Hood, TX, "Aging and sexing criteria for *Dendroica chrysoparia*."
- D. W. White and E. D. Kennedy, Albion College, Albion, MI, "A House Wren legend: dummy nests and choosy females."
- J. B. Whittier and D. M. Leslie, Jr., Oklahoma Cooperative Fish and Wildlife Research Unit, Oklahoma State Univ., Stillwater, OK, "Pre-fledging survival of Least Tern chicks."

ATTENDANCE

- ALASKA: *Barrow*, Frank Willingham.
- ARIZONA: *Flagstaff*, Joe Ganey; *Tucson*, Clait E. Braun.
- CALIFORNIA: *Sacramento*, Rosemary Stefani; *Seal Beach*, Clay Elliott, Kelli Flaagan.
- COLORADO: *Colorado Springs*, Matthew Schmitz, David Westmoreland; *Ft. Collins*, Bruce Baker, Audrey Ryder, Ronald Ryder, James Sedgwick.
- CONNECTICUT: *New London*, Robert Askins.
- FLORIDA: *Ft. Myers*, Jerome Jackson; *Gainesville*, Mary Clench; *Panama City*, T. Adam Kelly.
- ILLINOIS: *Champaign*, Robb Diehl, Ronald Larking; *Urbana*, Lynn Martin, II.
- INDIANA: *Notre Dame*, Doris Watt.
- IOWA: *Boone*, Carmen Jungbluth, Karl Jungbluth.
- KANSAS: *Garden City*, Tom Shane; *Hays*, Constance Chen, Greg Farley, Jim Schmidt, Mary Schmidt, Jamie Timson; *Leavenworth*, John Schukman; *Manhattan*, David Rintoul; *Wichita*, Scott Newland.
- LOUISIANA: *Hammond*, C. Audro Bassett, David Brown, Jennifer Long; *Lafayette*, Wylie Barrow, Jr.; *Shreveport*, James L. Ingold.
- MAINE: *Bridgeton*, Robert Clark; *Portland*, Ilze Balodis, Charles Duncan.
- MARYLAND: *Bethesda*, Ralph Wright.
- MASSACHUSETTS: *Amherst*, Don Kroodsma; *Foxboro*, William E. Davis, Jr.; *Manomet*, Hamilton Bowman, Mrs. Hamilton Bowman; *Northampton*, Cathryn Field, Kurt Karwacky; *Norton*, John Kricher; *South Hadley*, Susan Smith.
- MICHIGAN: *Albion*, Dale Kennedy, Doug White; *Ann Arbor*, Janet Hinshaw.
- MISSISSIPPI: *Hattiesburg*, David Cimprich.
- MISSOURI: *Columbia*, Alix Fink.
- NEW HAMPSHIRE: *Hancock*, Kathy Wohlfort; *Keene*, Jon Atwood.
- NEW JERSEY: *Cape May*, Tom Parsons; *Hopewell*, Hannah Suthers; *Trenton*, Mary Doscher; *Upper Montclair*, John Smallwood.
- NEW MEXICO: *Albuquerque*, Curt Burney.
- NEW YORK: *Buffalo*, Arthur Clark, Mary E. Clark, Caren Gellin; *Holley*, David Bonter; *Ithaca*, Steve Kelling, Scott Sutcliffe; *Trumansburg*, Robert Mcade; *Williamsville*, Sara Morris.
- NORTH CAROLINA: *Chapel Hill*, Helmut Mueller, Nancy Mueller; *Greensboro*, Herb Hendrickson.
- OHIO: *Columbus*, Abbot Gaunt, Sandra Gaunt; *Delaware*, Sarah Brennan, Edward H. Burt, Jr., Andy Johnson, Kristen Tettermer; *New Concord*, Paul Gledhill, Danny Ingold, Amanda L. Murray.
- OKLAHOMA: *Oklahoma City*, Timothy D. O'Bannon; *Stillwater*, Shane Feircr, Joanna Whittier, Denise Woods.
- OREGON: *Aloha*, Lori Hennings; *Forest Grove*, Todd Mabee.
- PENNSYLVANIA: *Montgomery*, Daniel Brauning, Marcia Brauning; *Pittsburgh*, Ellen Parkes, Kenneth Parkes; *University Park*, Tim O'Connell.
- SOUTH CAROLINA: *Clemson*, Jonathan Ariail, Carroll Belser, Andrew Farnsworth, Sidney Gauthreaux; *Columbia*, Steve Lohr, Edmund Taylor, Edmund Taylor, Jr.; *New Ellerton*, John Kilgo.
- TENNESSEE: *Norris*, Roger Tankersley.
- TEXAS: *Abilene*, Vaniai Arroyo; *Austin*, John Arvin, Clifford Shackelford; *Bellaire*, David Marrack; *Cedar Creek*, Sandra Skrei; *College Station*, Kristen Baum, Karl Schulze; *Corpus Christi*, Robert Benson; *DeSoto*, Valerie Hake; *Edinburg*, Christopher Hathcock; *Friendswood*, Winnie Burkett; *Ft. Hood*, John Cornelius; *Galveston*, Mary Hannigan, Andrea Norfleet, Alice Anne O'Donell, Richard Peake, Mrs. Richard Peake, Mary Thomas; *Houston*, Peggy Boston, Dan Brooks, Jon Hester, Miner Long, Nancy Loomis, Robert McFarlane, James Morgan, Frank Peace, Marion Peace, Scot Sandefur, Natasha Schischakin, Lee Schoen, Don Verser; *Lake Jackson*, Ian Hartzler, Cecilia Riley; *Lufkin*, Tamara Thompson; *Nacogdoches*, D. Brent Burt, Chris Collins, Richard Conner, Priscilla Coulter, Jim McCormick, Craig Rudolph, Daniel Saenz, Valerie Shafer; *San Marcos*, Maria Elena Tolle; *Sugar Land*, Michael Gray; *The Woodlands*, James Stewart.
- VERMONT: *Dorset*, Betty Gilbert; *Montpelier*, Jean Semperton; *Underhill*, Cheryl Pierce.
- VIRGINIA: *Alexandria*, Betty Ann Schreiber; *Annandale*, William Clark; *Blacksburg*, Frederick Amidon, Nicole Chadwick, Jeff Walters; *Charlottesville*, Janice Zimmerman, John Zimmerman; *Front Royal*, Gene Morton; *Richmond*, Charles Blem, Leann Blcm, David Podlesak; *The Plains*, Christopher Eberly.
- WASHINGTON: *Bainbridge Island*, Lee Robinson.
- WASHINGTON DC: Richard Banks, Daphne Gemmill.
- WEST VIRGINIA: *Athens*, Ronald Canterbury, Mrs. Ronald Canterbury; *Morgantown*, George Hall, Robert Whitmore.
- CANADA: *Kanata Ontario*, Erica Dunn, David Huscell; *St. Catharines Ontario*, John Black; *Toronto Ontario*, Jon Barlow, Sheridan Leckie, Jim Rising.
- ENGLAND: *Devon*, R. Nagarajan.